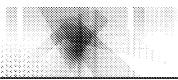




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(WO/2003/062163) ANTIMICROBIAL, WATER-INSOLUBLE SILICATE GLASS POWDER AND MIXTURE OF GLASS POWDERS

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Title:

(EN) ANTIMICROBIAL, WATER-INSOLUBLE SILICATE GLASS POWDER AND MIXTURE OF GLASS

POWDERS

(DE) ANTIMIKROBIELLES, WASSERUNLÖSLICHES SILICATGLASPULVER UND MISCHUNG VON

GLASPULVERN

Abstract:

(EN) The invention relates to an antimicrobial, water-insolvent silicate glass powder in which the initial glass contains 30-70 percent by weight of SiO₂, 0-1 percent by weight of Na₂O, 0-1 percent by weight of K₂O, 5-40 percent by weight of MgO, 0-40 percent by weight of CaO, 0-40 percent by weight of SrO, 0-40 percent by weight of BaO, 0-25 percent by weight of Al_pO_q , 0-20 percent by weight of P_pO_q , 0-20 percent by weight of B_0O_3 . The sum of the alkali oxide contents is less than 1.5 percent by weight of the overall composition of the initial glass. The initial glass also contains ions or atoms of elements Ag, Zn Cu, Ce, Te, or I representing a total fraction of < 2.5 percent by weight as a biocidal component.

(DE) Die Erfindung betrifft ein antimikrobielles, wasserunlösliches Silicatgiaspulver, wobel das Ausgangsglas SiO₂ 30-70 Gew.-% Na₂O 0- 1 Gew.-% K₂O 0- 1 Gew.-% MgO 5- 40 Gew.-% CaO 0-40 Gew.-% SrO 0-40 Gew.-% BaO 0-40 Gew.-% ${
m Al}_2{
m O}_3$ 0- 25Gew.-% ${
m P}_2{
m O}_5$ 0 -20 Gew.- % ${
m B}_2{
m O}_3$ 0- 20 Gew.- % umfasst. Die Erfindung ist dadurch gekennzeichnet, dass die Summe der Alkalioxidgehalte

kleiner 1,5 Gew.-% in der Gesamtzusammernsetzung des Ausgangsglases ist und das Ausgangsglas als biozid wirkende Komponente des weiteren ionen oder Atome der Elemente Ag, Zn Cu, Ce, Te oder I mit Gesamtanteilen < 2,5 Gew.-% umfassen.

Designated States:

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